

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number:

10/540,394

Source:

P6776

Date Processed by STIC:

7/8/05

ENTERED

BEST AVAILABLE COPY

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/540,394

CRF Edit Date: 7/8/05
Edited by: zel

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☒ Deleted: ☒ Invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:

Revised 09/09/2003

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PCT

RAW SEQUENCE LISTING

DATE: 07/08/2005

PATENT APPLICATION: US/10/540,394

TIME: 11:44:18

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\07082005\J540394.raw

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3 <110> APPLICANT: SUNAHARA, Eiji
4     ISHII, Takafumi
5     YAMAMOTO, Koji
6     SATO, Shuji
8 <120> TITLE OF INVENTION: Novel protein and its use
10 <130> FILE REFERENCE: 3132US0P
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/540,394
C--> 12 <141> CURRENT FILING DATE: 2005-06-23
12 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/016655
13 <151> PRIOR FILING DATE: 2003-12-25
15 <150> PRIOR APPLICATION NUMBER: JP2002-378052
16 <151> PRIOR FILING DATE: 2002-12-26
18 <150> PRIOR APPLICATION NUMBER: JP2003-65497
19 <151> PRIOR FILING DATE: 2003-03-11
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26 <213> ORGANISM: Human
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33           20                      25                      30
34 Leu Leu Leu Gln Pro Pro Pro Pro Thr Trp Ala Leu Ser Pro Arg Ile
35           35                      40                      45
36 Ser Leu Pro Leu Gly Ser Glu Glu Arg Pro Phe Leu Arg Phe Glu Ala
37           50                      55                      60
38 Glu His Ile Ser Asn Tyr Thr Ala Leu Leu Leu Ser Arg Asp Gly Arg
39           65                      70                      75                      80
40 Thr Leu Tyr Val Gly Ala Arg Glu Ala Leu Phe Ala Leu Ser Ser Asn
41           85                      90                      95
42 Leu Ser Phe Leu Pro Gly Gly Glu Tyr Gln Glu Leu Leu Trp Gly Ala
43           100                     105                     110
44 Asp Ala Glu Lys Lys Gln Gln Cys Ser Phe Lys Gly Lys Asp Pro Gln
45           115                     120                     125
46 Arg Asp Cys Gln Asn Tyr Ile Lys Ile Leu Leu Pro Leu Ser Gly Ser
47           130                     135                     140
48 His Leu Phe Thr Cys Gly Thr Ala Ala Phe Ser Pro Met Cys Thr Tyr
49           145                     150                     155                     160
50 Ile Asn Met Glu Asn Phe Thr Leu Ala Arg Asp Glu Lys Gly Asn Val
51           165                     170                     175
52 Leu Leu Glu Asp Gly Lys Gly Arg Cys Pro Phe Asp Pro Asn Phe Lys

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DATE: 07/08/2005

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Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\07082005\J540394.raw

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57          210          215          220
58 Pro Thr Lys Thr Glu Ser Ser Leu Asn Trp Leu Gln Asp Pro Ala Phe
59 225          230          235          240
60 Val Ala Ser Ala Tyr Ile Pro Glu Ser Leu Gly Ser Leu Gln Gly Asp
61          245          250          255
62 Asp Asp Lys Ile Tyr Phe Phe Phe Ser Glu Thr Gly Gln Glu Phe Glu
63          260          265          270
64 Phe Phe Glu Asn Thr Ile Val Ser Arg Ile Ala Arg Ile Cys Lys Gly
65          275          280          285
66 Asp Glu Gly Gly Glu Arg Val Leu Gln Gln Arg Trp Thr Ser Phe Leu
67          290          295          300
68 Lys Ala Gln Leu Leu Cys Ser Arg Pro Asp Asp Gly Phe Pro Phe Asn
69 305          310          315          320
70 Val Leu Gln Asp Val Phe Thr Leu Ser Pro Ser Pro Gln Asp Trp Arg
71          325          330          335
72 Asp Thr Leu Phe Tyr Gly Val Phe Thr Ser Gln Trp His Arg Gly Thr
73          340          345          350
74 Thr Glu Gly Ser Ala Val Cys Val Phe Thr Met Lys Asp Val Gln Arg
75          355          360          365
76 Val Phe Ser Gly Leu Tyr Lys Glu Val Asn Arg Glu Thr Gln Gln Met
77          370          375          380
78 Val His Arg Asp Pro Pro Val Pro Thr Pro Arg Pro Gly Ala Cys Ile
79 385          390          395          400
80 Thr Asn Ser Ala Arg Glu Arg Lys Ile Asn Ser Ser Leu Gln Leu Pro
81          405          410          415
82 Asp Arg Val Leu Asn Phe Leu Lys Asp His Phe Leu Met Asp Gly Gln
83          420          425          430
84 Val Arg Ser Arg Met Leu Leu Leu Gln Pro Gln Ala Arg Tyr Gln Arg
85          435          440          445
86 Val Ala Val His Arg Val Pro Gly Leu His His Thr Tyr Asp Val Leu
87          450          455          460
88 Phe Leu Gly Thr Gly Asp Gly Arg Leu His Lys Ala Val Ser Val Gly
89 465          470          475          480
90 Pro Arg Val His Ile Ile Glu Glu Leu Gln Ile Phe Ser Ser Gly Gln
91          485          490          495
92 Pro Val Gln Asn Leu Leu Leu Asp Thr His Arg Gly Leu Leu Tyr Ala
93          500          505          510
94 Ala Ser His Ser Gly Val Val Gln Val Pro Met Ala Asn Cys Ser Leu
95          515          520          525
96 Tyr Arg Ser Cys Gly Asp Cys Leu Leu Ala Arg Asp Pro Tyr Cys Ala
97          530          535          540
98 Trp Ser Gly Ser Ser Cys Lys His Val Ser Leu Tyr Gln Pro Gln Leu
99 545          550          555          560
100 Ala Thr Arg Pro Trp Ile Gln Asp Ile Glu Gly Ala Ser Ala Lys Asp
101          565          570          575

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Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\07082005\J540394.raw

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 103 580 585 590
 104 Glu Lys Pro Cys Glu Gln Val Gln Phe Gln Pro Asn Thr Val Asn Thr
 105 595 600 605
 106 Leu Ala Cys Pro Leu Leu Ser Asn Leu Ala Thr Arg Leu Trp Leu Arg
 107 610 615 620
 108 Asn Gly Ala Pro Val Asn Ala Ser Ala Ser Cys His Val Leu Pro Thr
 109 625 630 635 640
 110 Gly Asp Leu Leu Leu Val Gly Thr Gln Gln Leu Gly Glu Phe Gln Cys
 111 645 650 655
 112 Trp Ser Leu Glu Glu Gly Phe Gln Gln Leu Val Ala Ser Tyr Cys Pro
 113 660 665 670
 114 Glu Val Val Glu Asp Gly Val Ala Asp Gln Thr Asp Glu Gly Gly Ser
 115 675 680 685
 116 Val Pro Val Ile Ile Ser Thr Ser Arg Val Ser Ala Pro Ala Gly Gly
 117 690 695 700
 118 Lys Ala Ser Trp Gly Ala Asp Arg Ser Tyr Trp Lys Glu Phe Leu Val
 119 705 710 715 720
 120 Met Cys Thr Leu Phe Val Leu Ala Val Leu Leu Pro Val Leu Phe Leu
 121 725 730 735
 122 Leu Tyr Arg His Arg Asn Ser Met Lys Val Phe Leu Lys Gln Gly Glu
 123 740 745 750
 124 Cys Ala Ser Val His Pro Lys Thr Cys Pro Val Val Leu Pro Pro Glu
 125 755 760 765
 126 Thr Arg Pro Leu Asn Gly Leu Gly Pro Pro Ser Thr Pro Leu Asp His
 127 770 775 780
 128 Arg Gly Tyr Gln Ser Leu Ser Asp Ser Pro Pro Gly Ser Arg Val Phe
 129 785 790 795 800
 130 Thr Glu Ser Glu Lys Arg Pro Leu Ser Ile Gln Asp Ser Phe Val Glu
 131 805 810 815
 132 Val Ser Pro Val Cys Pro Arg Pro Arg Val Arg Leu Gly Ser Glu Ile
 133 820 825 830
 134 Arg Asp Ser Val Val
 135 835

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138 <211> LENGTH: 2511

139 <212> TYPE: DNA

140 <213> ORGANISM: Human

142 <400> SEQUENCE: 2

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 146 acctgggccc tcagcccccg gatcagcctg cctctgggct ctgaagagcg gccattcctc 180
 147 agattcgaag ctgaacacat ctccaactac acagcccttc tgctgagcag ggatggcagg 240
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 149 ccaggcgggg agtaccagga gctgctttgg ggtgcagacg cagagaagaa acagcagtgc 360
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 151 ctacagcgga gtcacctgtt cacctgtggc acagcagcct tcagcccat gtgtacctac 480
 152 atcaacatgg agaacttcac cctggcaagg gacgagaagg ggaatgtcct cctggaagat 540
 153 ggcaaggggc gttgtccctt cgaccogaat ttcaagtcca ctgccctggg ggttgatggc 600

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156 gtggcctcag cctacattcc tgagagcctg ggcagcttgc aaggcgatga tgacaagatc 780
157 tactttttct tcagcgagac tggccaggaa tttgagttct ttgagaacac cattgtgtcc 840
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204 ttcaagggca aggaccaca gcgcgactgt caaaactaca tcaagatcct cctgccgctc 660
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RAW SEQUENCE LISTING

DATE: 07/08/2005

PATENT APPLICATION: US/10/540,394

TIME: 11:44:18

Input Set : A:\pto.kd.txt

Output Set : N:\CRF4\07082005\J540394.raw

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/540,394

DATE: 07/08/2005

TIME: 11:44:19

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\07082005\J540394.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Raw Sequence Listing before editing,
for reference only

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/540,394

TIME: 14:40:43

Input Set : A:\3132-SEQ.txt

Output Set: N:\CRF4\07012005\J540394.raw

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4     ISHII, Takafumi
5     YAMAMOTO, Koji
6     SATO, Shuji
8 <120> TITLE OF INVENTION: Novel protein and its use
10 <130> FILE REFERENCE: 3132US0P
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/540,394
C--> 12 <141> CURRENT FILING DATE: 2005-06-23
12 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/016655
13 <151> PRIOR FILING DATE: 2003-12-25
15 <150> PRIOR APPLICATION NUMBER: JP2002-378052
16 <151> PRIOR FILING DATE: 2002-12-26
18 <150> PRIOR APPLICATION NUMBER: JP2003-65497
19 <151> PRIOR FILING DATE: 2003-03-11
21 <160> NUMBER OF SEQ ID NOS: 25

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Does Not Comply
Corrected Diskette Needed

(Pg. 1)

ERRORED SEQUENCES

[illegible]

1 Deleted

VERIFICATION SUMMARY

DATE: 07/01/2005

PATENT APPLICATION: US/10/540,394

TIME: 14:40:44

Input Set : A:\3132-SEQ.txt

Output Set: N:\CRF4\07012005\J540394.raw

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1113 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:25